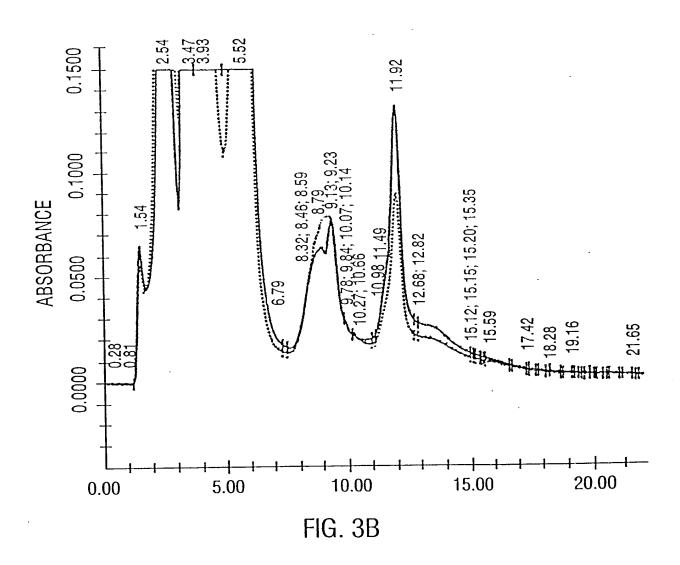
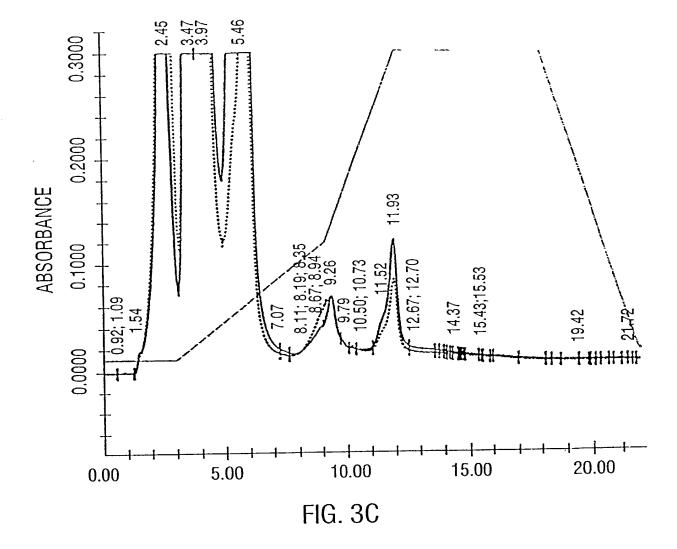


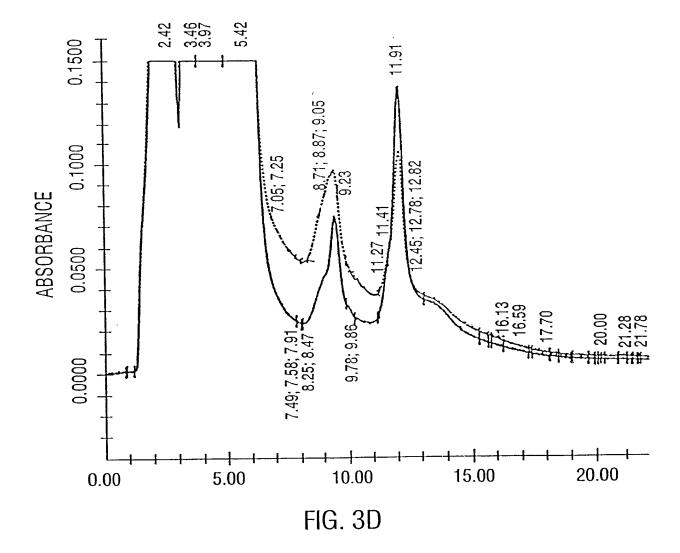
FIG. 2

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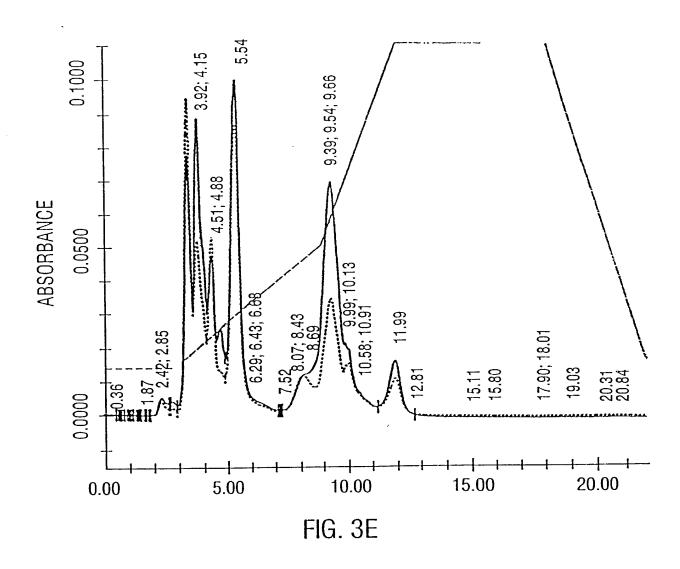


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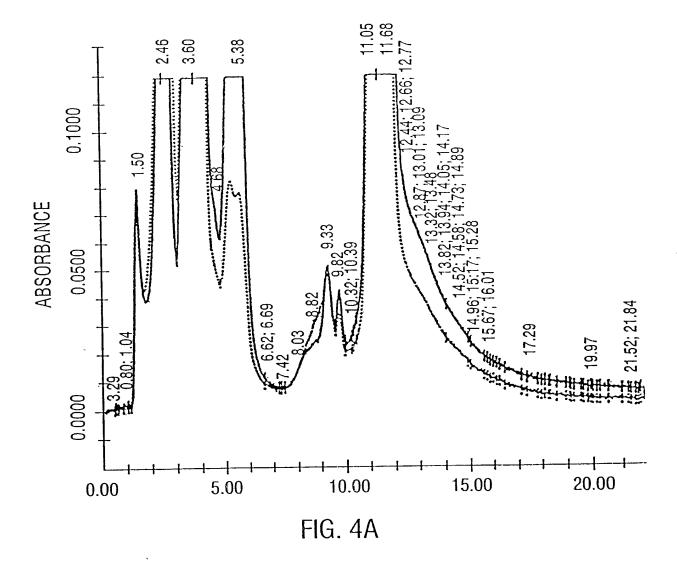




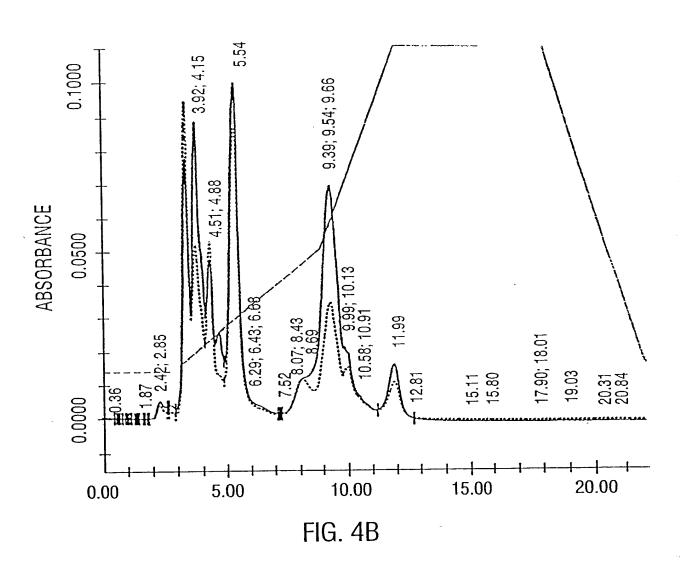
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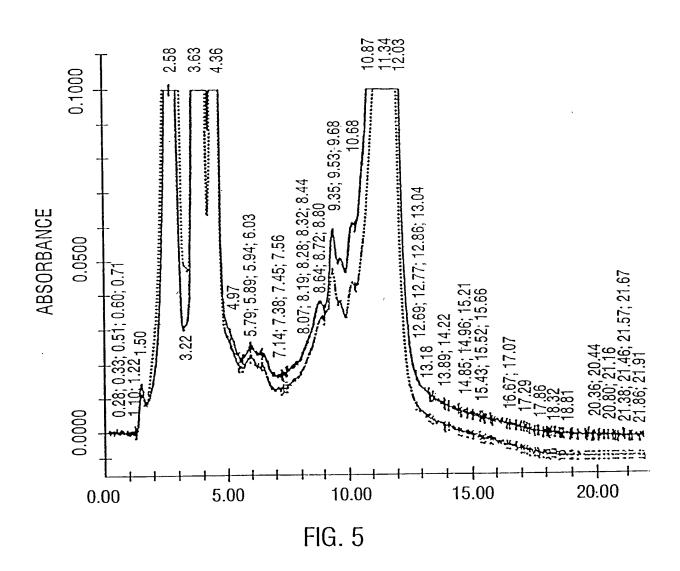












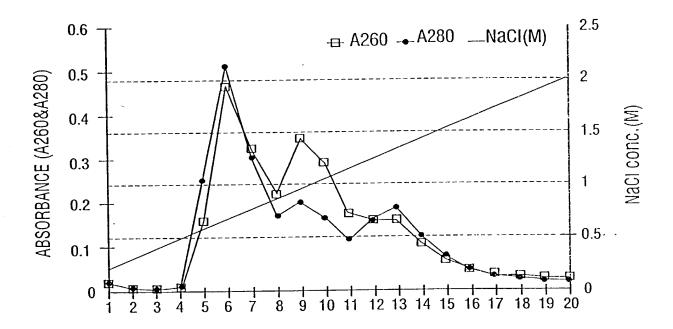


FIG. 6

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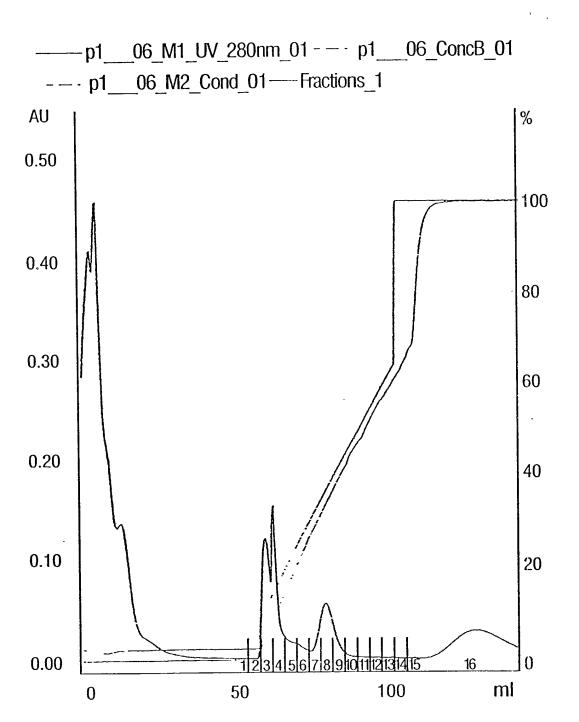
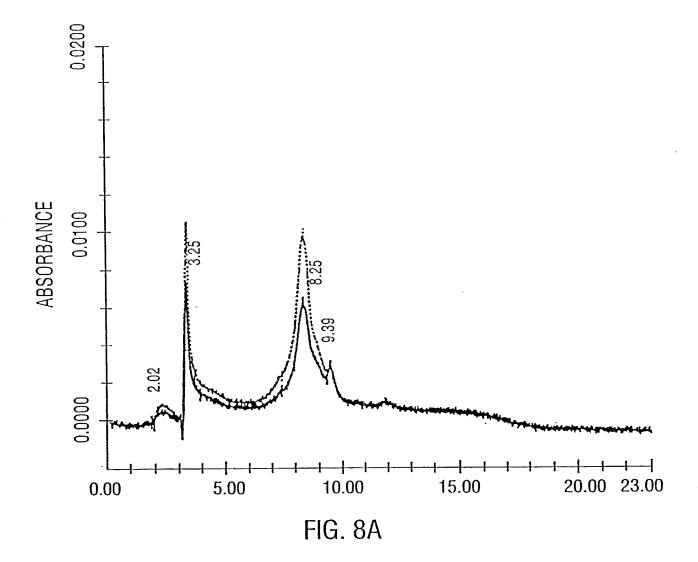
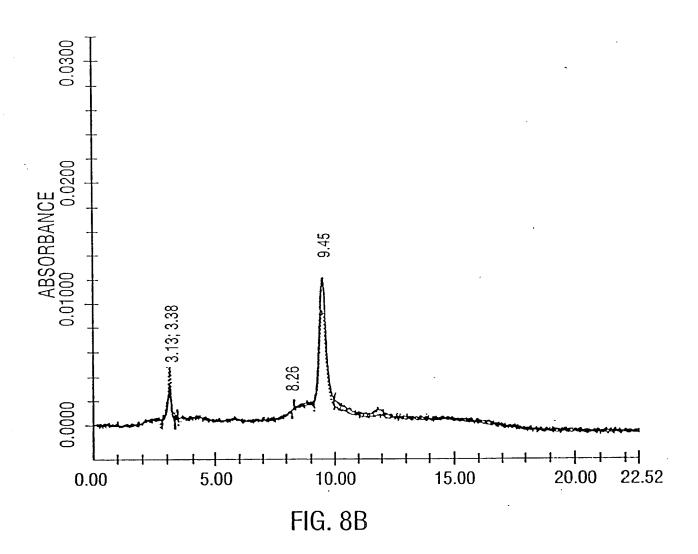


FIG. 7

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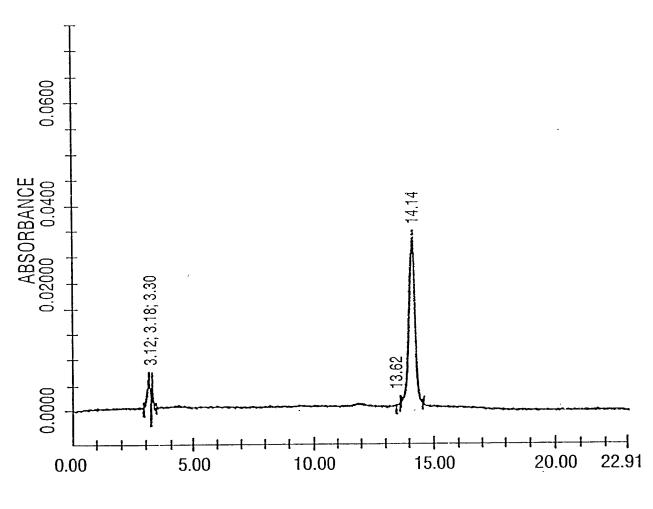
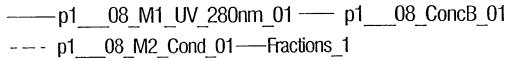


FIG. 8C

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Zhang, et al.

(Figure 9)



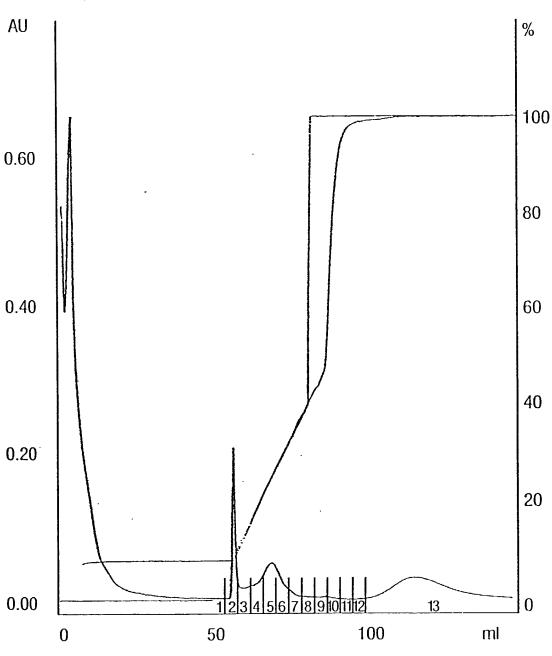
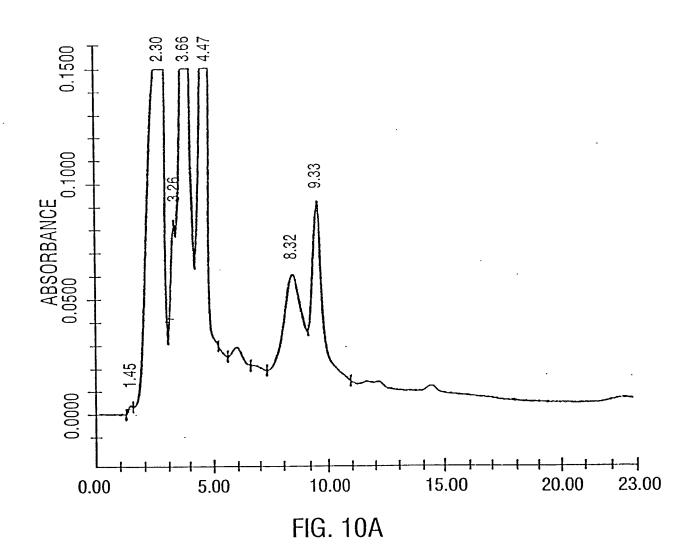


FIG. 9

tor(s): Zhang, et a 17 of 43 (Figure 10.



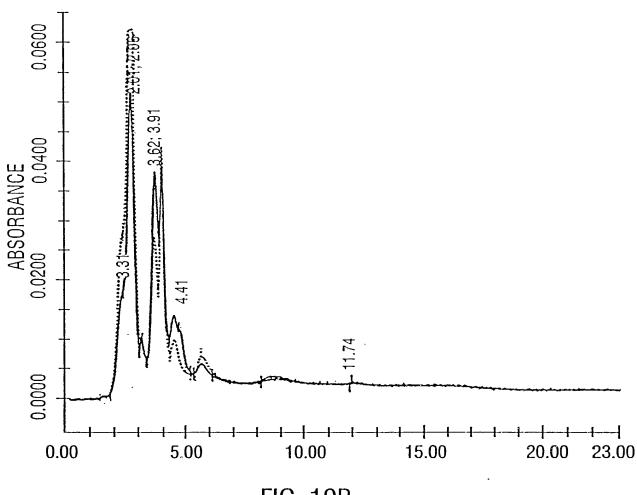


FIG. 10B

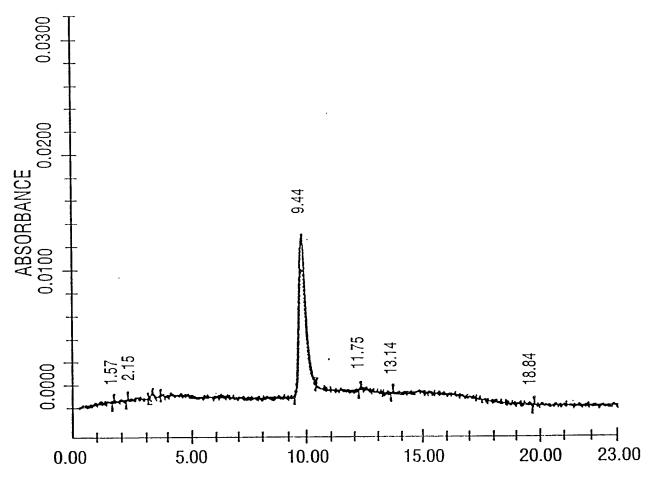
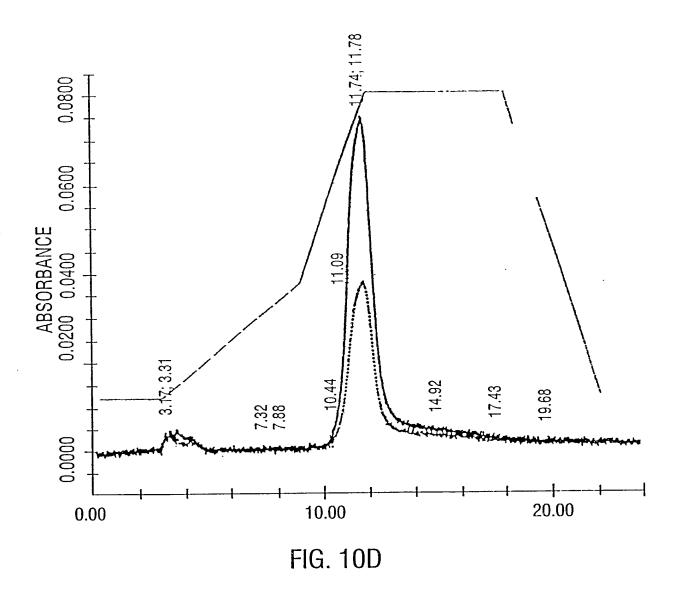
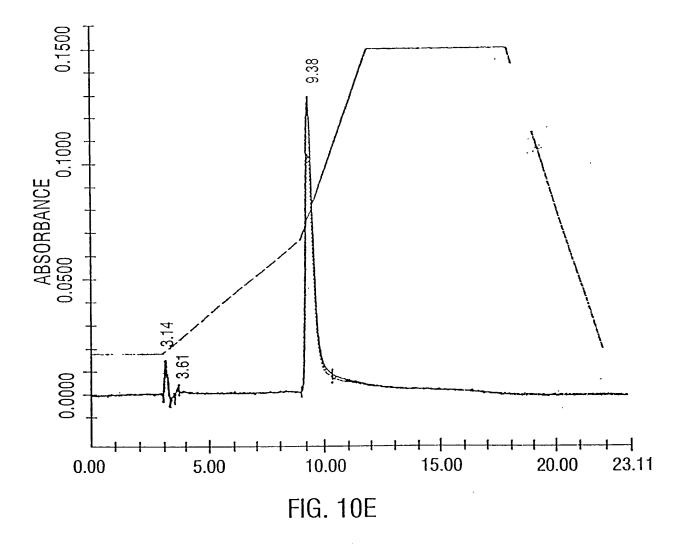


FIG. 10C





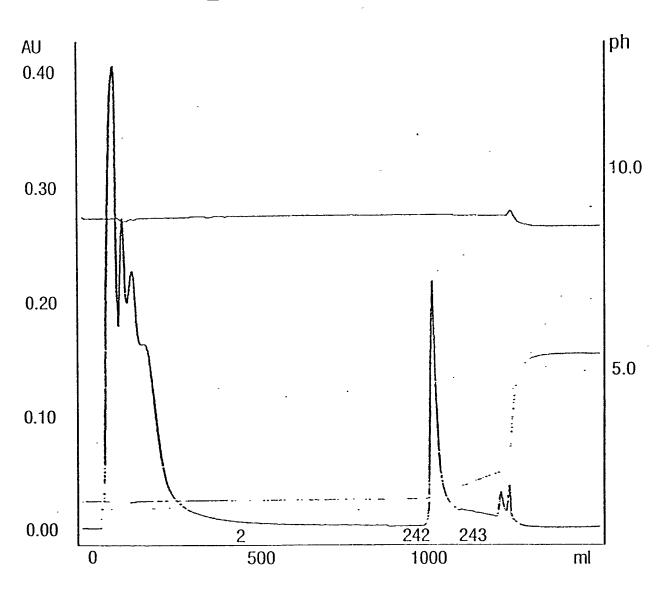


FIG. 11

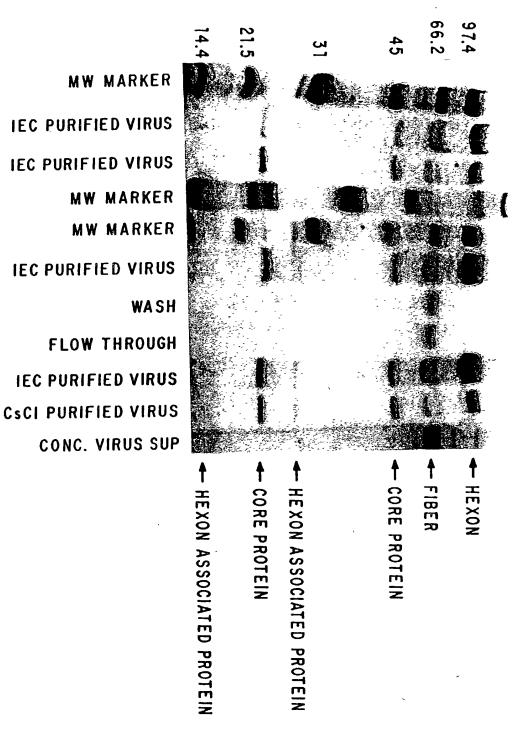


FIG.12

(Figure 13)

NOVEX MWM

BSA STD

VECTOR SUP

CONC./DIAFIL.SUP

IEC PURIFIED Adp53

CsCI PURIFIED Adp53

BSA STD

FLOW THRU

WASH

NOVEX MWM

FIG.13

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Zhang, et al. (Figure 14)

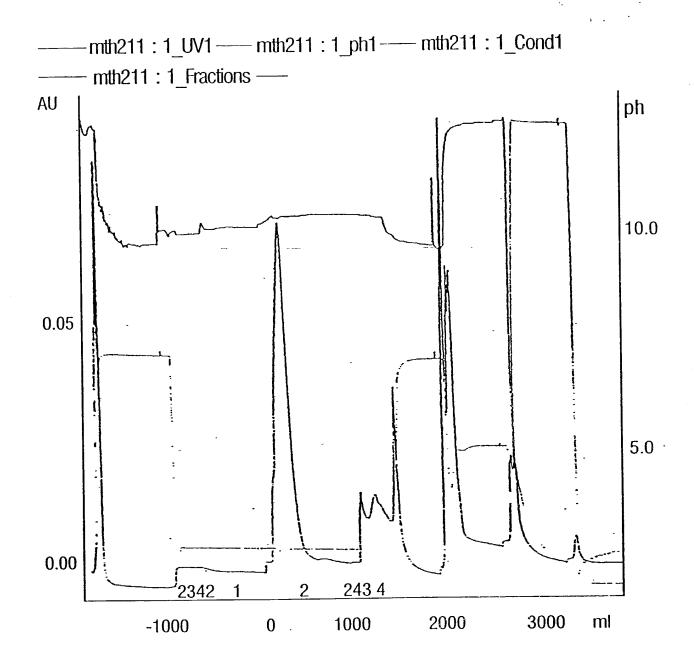


FIG. 14

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Method for the Production and Purification
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(Figure 15)

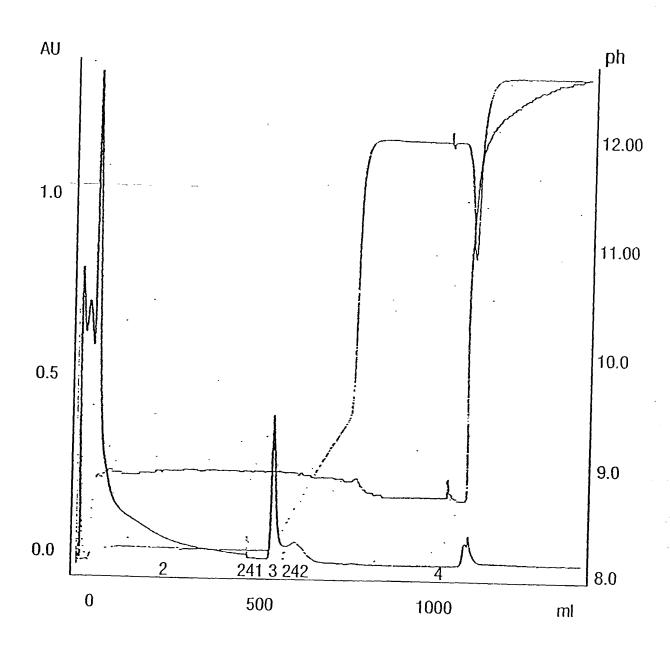
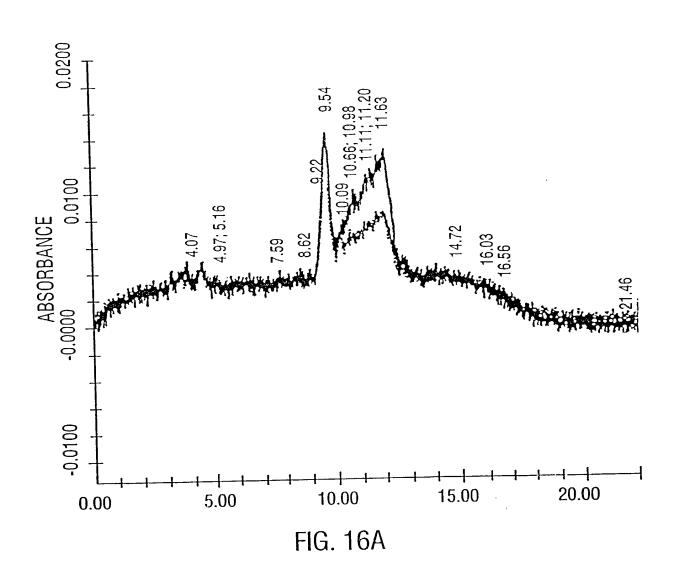
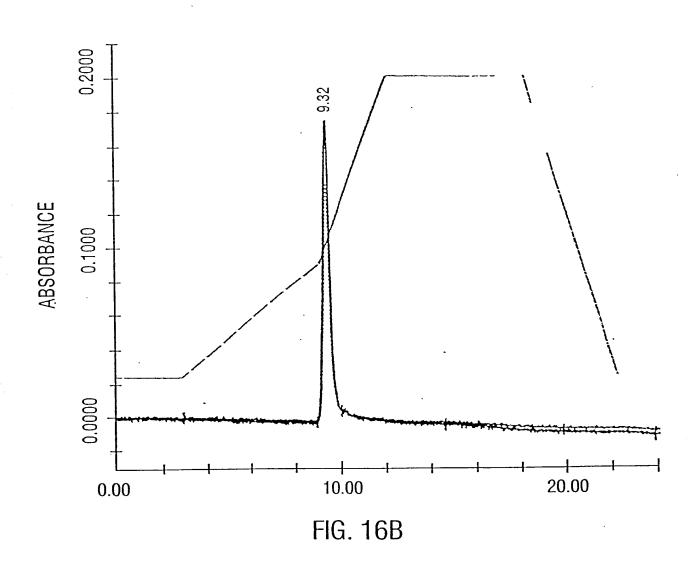


FIG. 15







——— mth412 : 1_UV1 —— mth412 : 1_ph1 —— mth412 : 1_Cond1

----- mth412: 1_Fractions ----

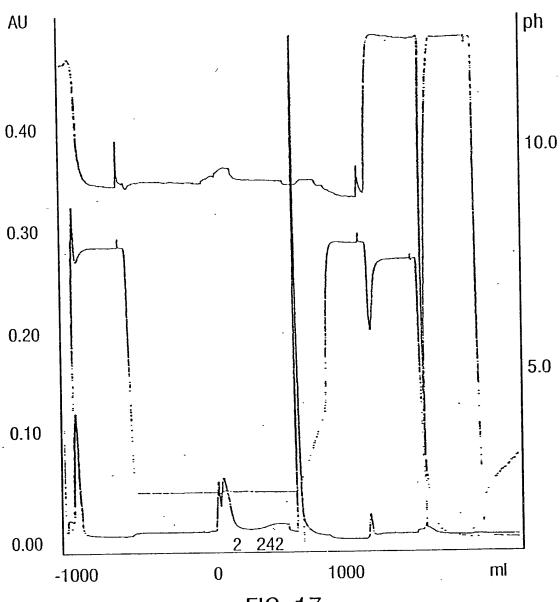
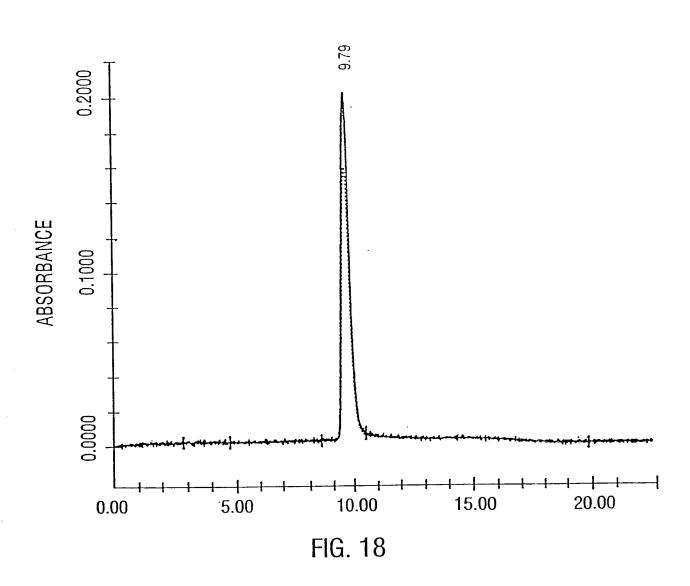


FIG. 17



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Zhang, et al.
(Figure 19A)

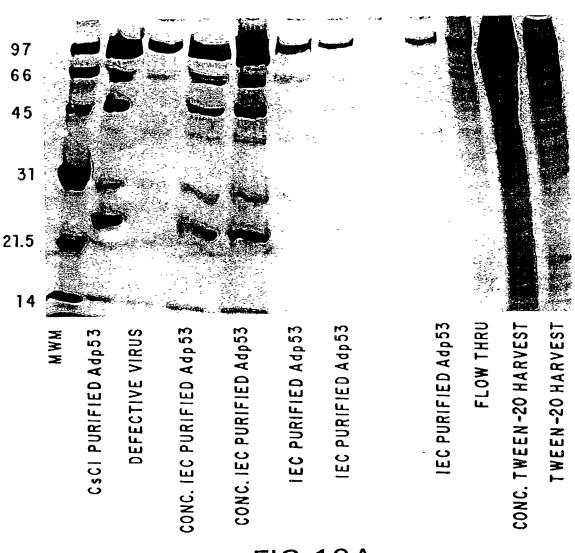
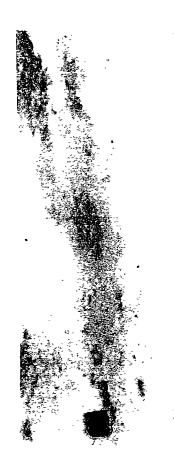


FIG.19A



IEC PURIFIED VIRUS MW MARKER BLANK IEC PURIFIED VIRUS FLOW THROUGH **DILUTED BENZONASE** TREATED VIRUS SOLUTION CONC./DIAFIL. VIRUS SOL. 1% TWEEN HVST MW MARKER MW MARKER

FIG.19B

U S Serial No Title: Method for the Production and Purification Title: Inventor(s): Zhang, et al. (Figure 19C)

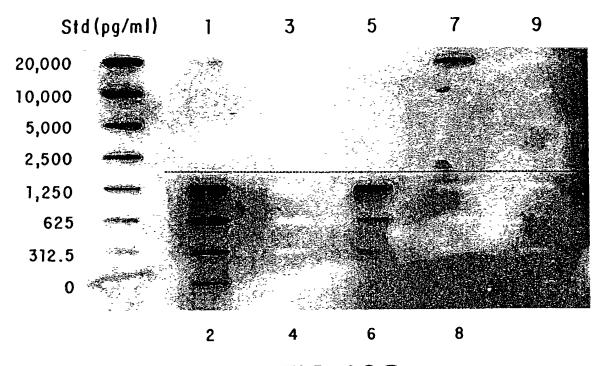
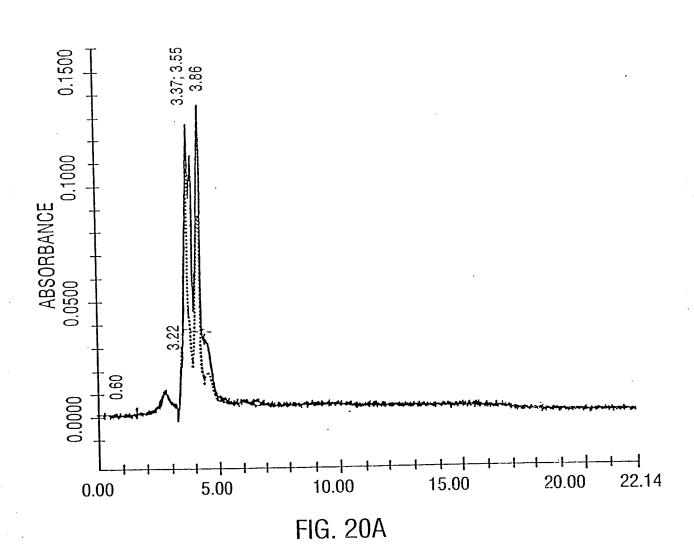
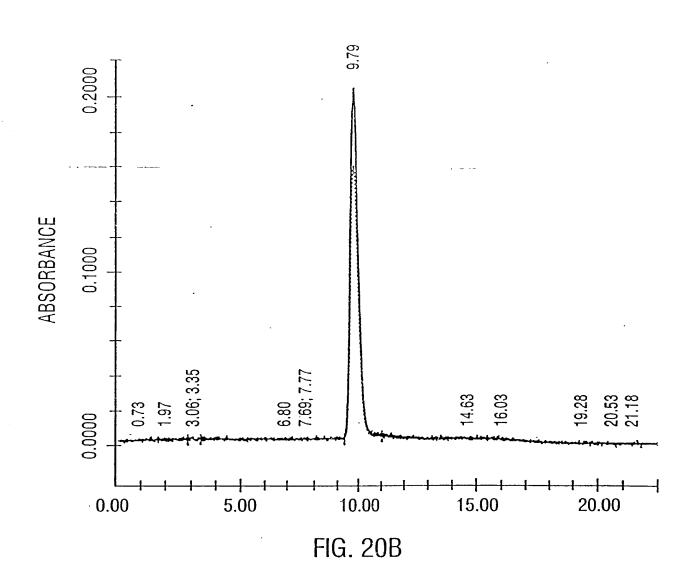
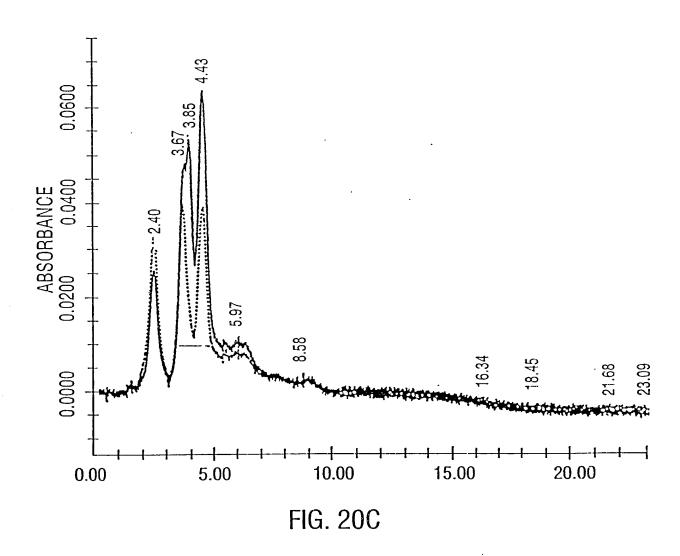
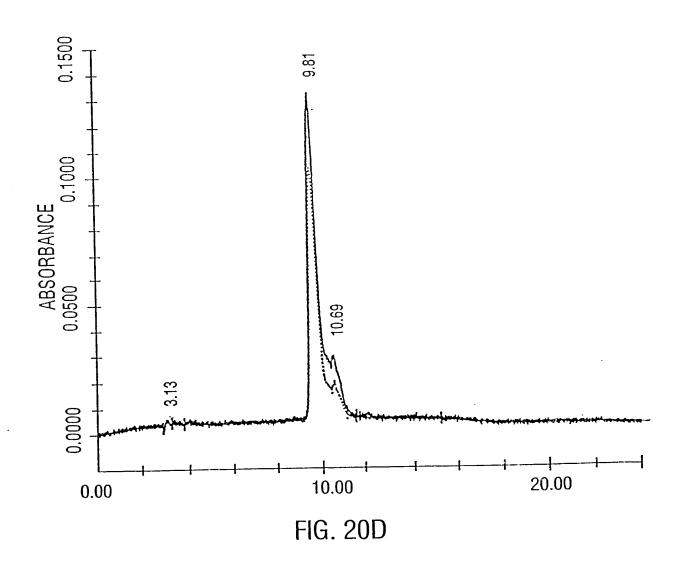


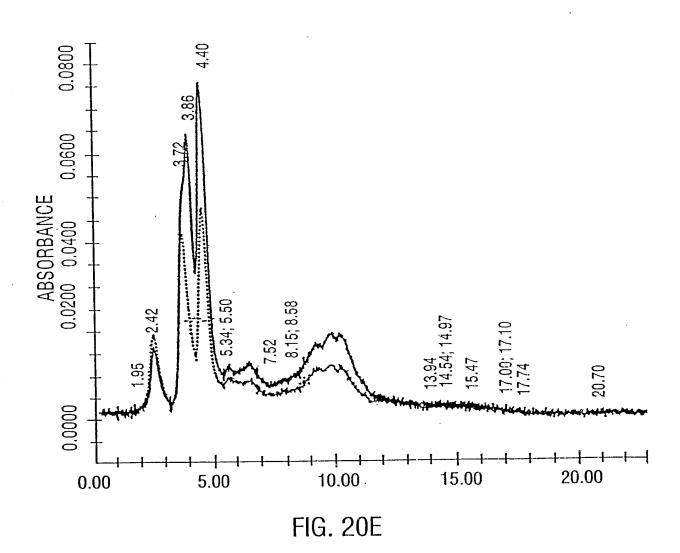
FIG.19C

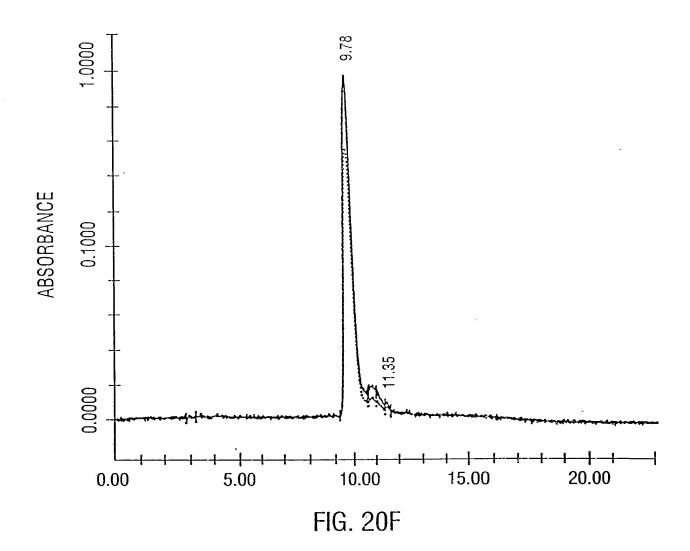


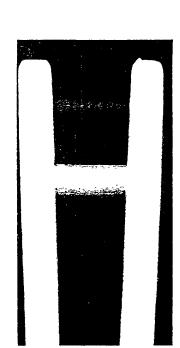












- → DEFECTIVE VIRUS BAND (TITER: 3x107 PFU/ml)
- →INTACT VIRUS BAND (TITER: 1x1011 PFU/ml)

FIG.21

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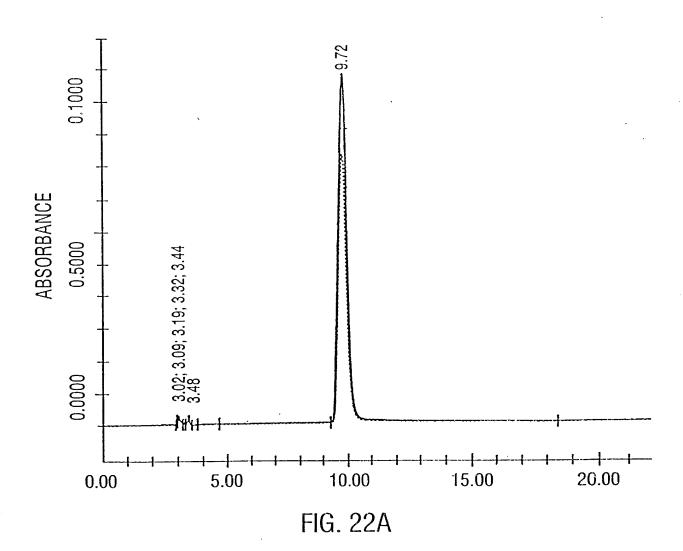
Method for the Production and Purification....

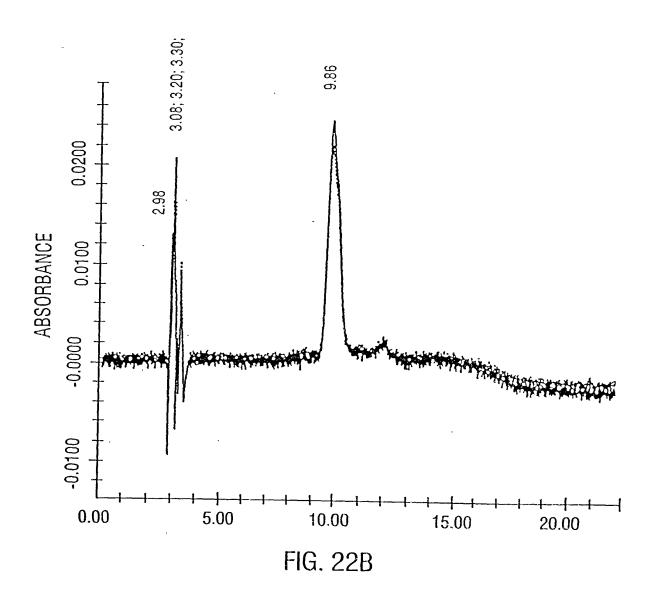
Title:

Method for the Production and Purification....

Title:

Method for the Production and Purification....





	TILTER VOL. (ml) (PFU/ML)		YEILD (PFU)	RECOVERY (%)	
CUBE (LOW PERFUSION RATI KEEP GLUCOSE>1g/L) 1% TWEEN-20 BUFFER				STEP ACC.	
HARVEST					
CLARIFICATION AND FILTRATION (0.22 UM)	0.0.400	4000	.a	0	
VIRUS SOLUTION	2.6x10 ⁹	1900	4.9×10^{11}	2	
CONC./DIAF. (10-FOLD CONC., DIAF INTO 1M NaCI BUFFER	A				
CONC. SUP	2.5×10^{10}	200	5x10 ¹²	102%	
BENZONASE TREATMENT (0/N, RT, 100u/ml) TREATED SUP					
DILUTED WITH WATER					
TO CONDUCTIVITY= 22-25 mS/cm	7x10 ⁹	700	4.9x10 ¹²	98% 100%	
DILUTED VIRUS SOLUTION		٠			
	1.5x10 ¹⁰	240	3.6x10 ¹²	73% 73%	
PURÍFIED VIRUS					
CONC./DIAF (5-FOLD CONC)	7x10 ¹⁰	50	3.5x10 ¹²	97% 71%	
FINAL PURIFIED PRODUCT					
FIO 00					